RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/541,769 _____
Source: _____ JFWO _____
Date Processed by STIC: _____ 09/21/2006 _____

ENTERED

IFWO

RAW SEQUENCE LISTING   DATE: 09/21/2006
PATENT APPLICATION: US/10/541,769   TIME: 11:42:10

Input Set : A:\Q88804 - sequence listing.txt
Output Set: N:\CRF4\09212006\J541769.raw

```
 3 <110> APPLICANT: POSTECH FOUNDATION
 5 <120> TITLE OF INVENTION: PHOSPHORAMIDITE COMPOUNDS
 7 <130> FILE REFERENCE: Q88804
 9 <140> CURRENT APPLICATION NUMBER: US 10/541769
10 <141> CURRENT FILING DATE: 2005-07-08
12 <150> PRIOR APPLICATION NUMBER: KR 2003-0001392
13 <151> PRIOR FILING DATE: 2003-01-09
15 <150> PRIOR APPLICATION NUMBER: KR 2003-0025434
16 <151> PRIOR FILING DATE: 2003-04-22
18 <160> NUMBER OF SEQ ID NOS: 14
20 <170> SOFTWARE: KopatentIn 1.71
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 12
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: oligo 1
31 <220> FEATURE:
32 <221> NAME/KEY: modified_base
33 <222> LOCATION: 7
34 <223> OTHER INFORMATION: n is (R)-phosphoramidite compound
37 <400> SEQUENCE: 1
```
W--> 38 ttttttntttt tt   12
```
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 12
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: oligo 2
50 <220> FEATURE:
51 <221> NAME/KEY: modified_base
52 <222> LOCATION: 7
53 <223> OTHER INFORMATION: n is (S)-phosphoramidite compound
56 <400> SEQUENCE: 2
```
W--> 57 ttttttntttt tt   12
```
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 12
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: oligo 3
69 <220> FEATURE:
70 <221> NAME/KEY: modified_base
```

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RAW SEQUENCE LISTING                    DATE: 09/21/2006
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        Input Set : A:\Q88804 - sequence listing.txt
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    71 <222> LOCATION: 6
    72 <223> OTHER INFORMATION: n is (R)-phosphoramidite compound
    75 <400> SEQUENCE: 3
W--> 76 aaaaanaaaa aa                                              12
    79 <210> SEQ ID NO: 4
    80 <211> LENGTH: 12
    81 <212> TYPE: DNA
    82 <213> ORGANISM: Artificial Sequence
    84 <220> FEATURE:
    85 <223> OTHER INFORMATION: oligo 4
    88 <220> FEATURE:
    89 <221> NAME/KEY: modified_base
    90 <222> LOCATION: 6
    91 <223> OTHER INFORMATION: n is (S)-phosphoramidite compound
    94 <400> SEQUENCE: 4
W--> 95 aaaaanaaaa aa                                              12
    98 <210> SEQ ID NO: 5
    99 <211> LENGTH: 12
   100 <212> TYPE: DNA
   101 <213> ORGANISM: Artificial Sequence
   103 <220> FEATURE:
   104 <223> OTHER INFORMATION: oligo 5
   107 <400> SEQUENCE: 5
   108 tttttttttt tt                                              12
   111 <210> SEQ ID NO: 6
   112 <211> LENGTH: 11
   113 <212> TYPE: DNA
   114 <213> ORGANISM: Artificial Sequence
   116 <220> FEATURE:
   117 <223> OTHER INFORMATION: oligo 6
   120 <400> SEQUENCE: 6
   121 tttttttttt t                                               11
   124 <210> SEQ ID NO: 7
   125 <211> LENGTH: 12
   126 <212> TYPE: DNA
   127 <213> ORGANISM: Artificial Sequence
   129 <220> FEATURE:
   130 <223> OTHER INFORMATION: oligo 7
   133 <400> SEQUENCE: 7
   134 aaaaaaaaaa aa                                              12
   137 <210> SEQ ID NO: 8
   138 <211> LENGTH: 11
   139 <212> TYPE: DNA
   140 <213> ORGANISM: Artificial Sequence
   142 <220> FEATURE:
   143 <223> OTHER INFORMATION: oligo 8
   146 <400> SEQUENCE: 8
   147 aaaaaaaaaa a                                               11
   150 <210> SEQ ID NO: 9
```

```
     151 <211> LENGTH: 13
     152 <212> TYPE: DNA
     153 <213> ORGANISM: Artificial Sequence
     155 <220> FEATURE:
     156 <223> OTHER INFORMATION: oligo 9
     159 <220> FEATURE:
     160 <221> NAME/KEY: modified_base
     161 <222> LOCATION: 7
     162 <223> OTHER INFORMATION: n is (R)-phosphoramidite compound
     165 <400> SEQUENCE: 9
W--> 166 aacgttnaac gtt                                                  13
     169 <210> SEQ ID NO: 10
     170 <211> LENGTH: 13
     171 <212> TYPE: DNA
     172 <213> ORGANISM: Artificial Sequence
     174 <220> FEATURE:
     175 <223> OTHER INFORMATION: oligo 10
     178 <220> FEATURE:
     179 <221> NAME/KEY: modified_base
     180 <222> LOCATION: 7
     181 <223> OTHER INFORMATION: n is (S)-phosphoramidite compound
     184 <400> SEQUENCE: 10
W--> 185 aacgttnaac gtt                                                  13
     188 <210> SEQ ID NO: 11
     189 <211> LENGTH: 13
     190 <212> TYPE: DNA
     191 <213> ORGANISM: Artificial Sequence
     193 <220> FEATURE:
     194 <223> OTHER INFORMATION: oligo 11
     197 <400> SEQUENCE: 11
     198 aacgttaaac gtt                                                  13
     201 <210> SEQ ID NO: 12
     202 <211> LENGTH: 13
     203 <212> TYPE: DNA
     204 <213> ORGANISM: Artificial Sequence
     206 <220> FEATURE:
     207 <223> OTHER INFORMATION: oligo 12
     210 <400> SEQUENCE: 12
     211 aacgtttaac gtt                                                  13
     214 <210> SEQ ID NO: 13
     215 <211> LENGTH: 13
     216 <212> TYPE: DNA
     217 <213> ORGANISM: Artificial Sequence
     219 <220> FEATURE:
     220 <223> OTHER INFORMATION: oligo 13
     223 <400> SEQUENCE: 13
     224 aacgttgaac gtt                                                  13
     227 <210> SEQ ID NO: 14
     228 <211> LENGTH: 13
```

RAW SEQUENCE LISTING   DATE: 09/21/2006
PATENT APPLICATION: **US/10/541,769**   TIME: 11:42:10

Input Set : **A:\Q88804 - sequence listing.txt**
Output Set: **N:\CRF4\09212006\J541769.raw**

```
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: oligo 14
236 <400> SEQUENCE: 14
237 aacgttcaac gtt                                          13
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/21/2006
PATENT APPLICATION: US/10/541,769   TIME: 11:42:11

Input Set : A:\Q88804 - sequence listing.txt
Output Set: N:\CRF4\09212006\J541769.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7
Seq#:2; N Pos. 7
Seq#:3; N Pos. 6
Seq#:4; N Pos. 6
Seq#:9; N Pos. 7
Seq#:10; N Pos. 7

VERIFICATION SUMMARY DATE: 09/21/2006
PATENT APPLICATION: **US/10/541,769** TIME: 11:42:11

Input Set : **A:\Q88804 - sequence listing.txt**
Output Set: **N:\CRF4\09212006\J541769.raw**

```
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
```